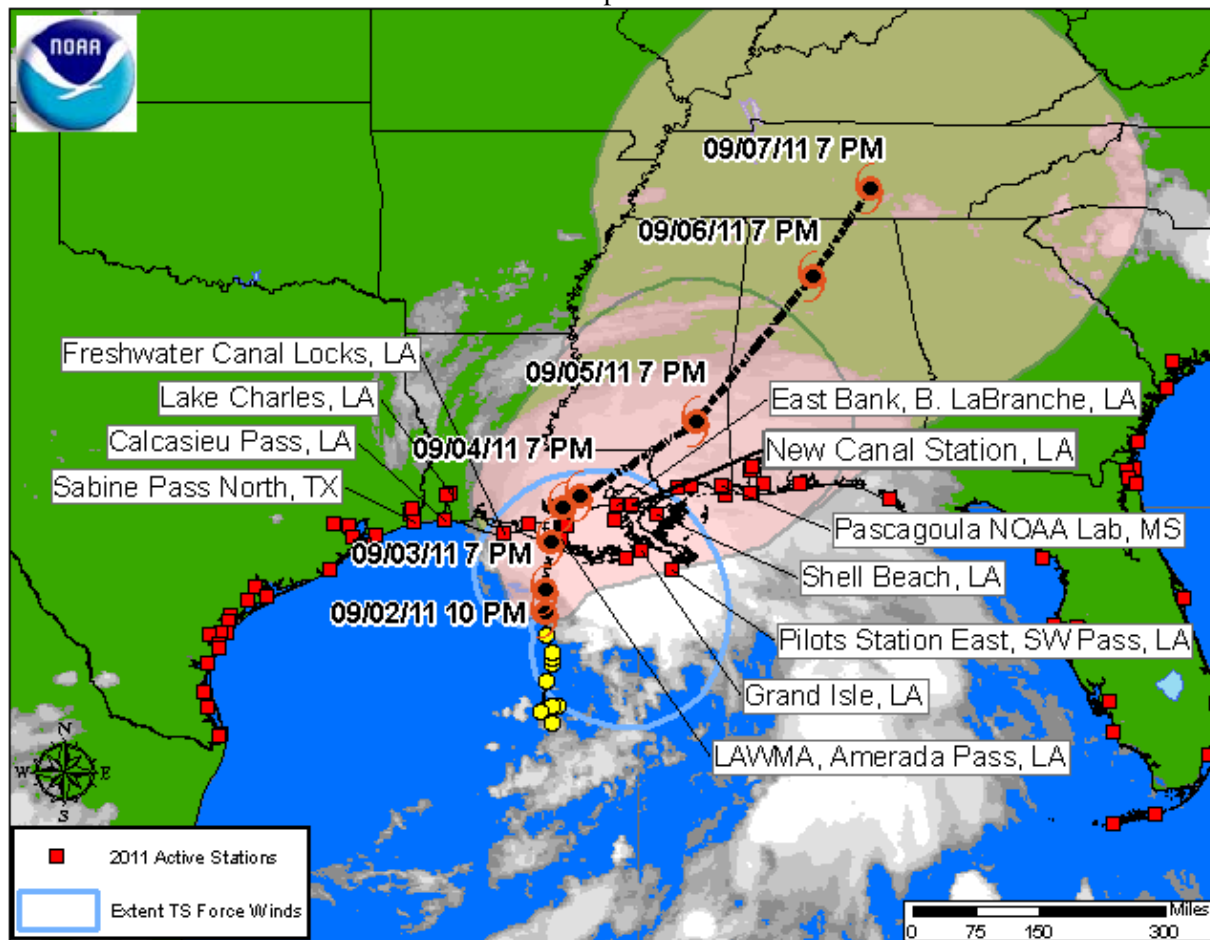




Tropical Storm LEE QuickLook
Posted: 23:00 CDT 09/02/2011

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 09/02/2011 23:00 CDT, water levels along the northern Gulf of Mexico coastline from Mississippi to eastern Texas are rising. Levels from LAWMA, Amerada Pass, LA westward to Sabine Pass North, TX generally range between 0.5 feet below predictions to 1.0 feet above predictions. Water levels along the coast from Grand Isle, LA eastward to Pascagoula NOAA Lab, MS are generally 1.3 to 3.4 feet above predictions with Shell Beach, LA measuring the highest residual of over 3.4 feet during the past few hours. Water levels within Lake Pontchartrain are rising as well, partially due to runoff from excessive rainfall, with East Bank and New Canal Station, LA measuring residuals between 1.7 and 2.4 ft above predicted levels.

Winds are increasing and range between 10 and 30 kts with gusts over 40 kts. Pilots Station East, LA measured several wind gusts of 45 kts over the past few hours.

Barometric pressure continues to fall across the region.

Tropical Storm LEE QuickLook, POSTED 23:00 CDT 09/02/2011

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

LAWMA, Amerada Pass, LA: Next predicted high tides are 1.0 ft (0.32 m) at 09/03/2011 06:30 CDT and 1.3 ft (0.39 m) at 09/03/2011 23:22 CDT.

Grand Isle, LA: Next predicted high tides are 1.5 ft (0.44 m) at 09/03/2011 02:04 CDT and 1.5 ft (0.47 m) at 09/04/2011 03:06 CDT.

Pilots Station East, SW Pass, LA: Next predicted high tides are 1.5 ft (0.46 m) at 09/03/2011 00:31 CDT and 1.6 ft (0.50 m) at 09/04/2011 01:31 CDT.

Shell Beach, LA: Next predicted high tides are 1.5 ft (0.46 m) at 09/03/2011 06:12 CDT and 1.6 ft (0.49 m) at 09/04/2011 06:56 CDT.

East Bank 1, Norco, B. LaBranche, LA: Next predicted high tides are 0.4 ft (0.13 m) at 09/03/2011 12:47 CDT and 0.4 ft (0.13 m) at 09/04/2011 13:35 CDT.

New Canal Station, LA: Next predicted high tides are 0.5 ft (0.14 m) at 09/03/2011 11:04 CDT and 0.5 ft (0.14 m) at 09/04/2011 11:44 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.5 ft (0.47 m) at 09/03/2011 01:18 CDT and 1.6 ft (0.51 m) at 09/04/2011 02:30 CDT.

Freshwater Canal Locks, LA: Next predicted high tides are 1.8 ft (0.54 m) at 09/03/2011 03:49 CDT and 2.1 ft (0.63 m) at 09/03/2011 22:15 CDT.

Lake Charles, LA: Next predicted high tides are 1.1 ft (0.34 m) at 09/03/2011 01:35 CDT and 1.1 ft (0.34 m) at 09/03/2011 10:50 CDT.

Calcasieu Pass, LA: Next predicted high tides are 2.0 ft (0.60 m) at 09/03/2011 05:43 CDT and 2.1 ft (0.64 m) at 09/03/2011 22:45 CDT.

Sabine Pass North, TX: Next predicted high tides are 1.7 ft (0.52 m) at 09/03/2011 06:35 CDT and 1.8 ft (0.55 m) at 09/03/2011 23:05 CDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: CMF

SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM LEE ADVISORY NUMBER 6
1000 PM CDT FRI SEP 02 2011

...LEE MOVING SLOWLY NORTHWARD...HEAVY RAINS SPREADING OVER PORTIONS OF THE
NORTHERN GULF COAST...

WATCHES AND WARNINGS

CHANGES WITH THIS ADVISORY...

THE TROPICAL STORM WARNING HAS BEEN EXTENDED EASTWARD TO THE ALABAMA/FLORIDA BORDER.

A TROPICAL STORM WATCH HAS BEEN ISSUED FROM THE ALABAMA/FLORIDA BORDER EASTWARD TO DESTIN FLORIDA

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* ALABAMA/FLORIDA BORDER WESTWARD TO SABINE PASS TEXAS...INCLUDING THE CITY OF NEW ORLEANS...LAKE PONTCHARTRAIN...AND LAKE MAUREPAS

A TROPICAL STORM WATCH IS IN EFFECT FOR...

* ALABAMA/FLORIDA BORDER EASTWARD TO DESTIN FLORIDA

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...GENERALLY WITHIN 48 HOURS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

DISCUSSION AND 48-HOUR OUTLOOK

AT 1000 PM CDT THE CENTER OF TROPICAL STORM LEE WAS LOCATED ABOUT 165 MI WSW OF THE MOUTH OF THE MISSISSIPPI RIVER OR ABOUT 150 MI SE OF CAMERON LOUISIANA. MAXIMUM SUSTAINED WINDS...45 MPH. LEE IS MOVING TOWARD THE NORTH NEAR 5 MPH. A SLOW AND POSSIBLY ERRATIC MOTION TOWARD THE NORTHWEST OR NORTH IS EXPECTED DURING THE NEXT DAY OR SO. ON THE FORECAST TRACK...THE CENTER OF THE TROPICAL STORM IS EXPECTED TO APPROACH THE COAST OF SOUTHERN LOUISIANA LATE SATURDAY.

MAXIMUM SUSTAINED WINDS REMAIN NEAR 45 MPH WITH HIGHER GUSTS. GRADUAL STRENGTHENING IS FORECAST DURING THE NEXT 48 HOURS.

TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 200 MILES MAINLY NORTHEAST THROUGH SOUTHEAST OF THE CENTER. A WIND GUST TO 41 MPH WAS RECENTLY REPORTED AT LAKEFRONT AIRPORT IN NEW ORLEANS.

THE ESTIMATED MINIMUM CENTRAL PRESSURE BASED ON RECONNAISSANCE AIRCRAFT DATA AND OBSERVATIONS FROM OIL RIGS IS 1000 MB.

HAZARDS AFFECTING LAND

RAINFALL...TROPICAL STORM LEE IS EXPECTED TO PRODUCE TOTAL RAIN

ACCUMULATIONS OF 10 TO 15 INCHES OVER SOUTHERN LOUISIANA...SOUTHERN MISSISSIPPI...AND SOUTHERN ALABAMA THROUGH SUNDAY...WITH POSSIBLE ISOLATED MAXIMUM AMOUNTS OF 20 INCHES. THESE RAINS ARE EXPECTED TO CAUSE EXTENSIVE FLOODING. RAINFALL AMOUNTS OF 4 TO 8 INCHES WILL BE POSSIBLE OVER THE FLORIDA PANHANDLE THROUGH SUNDAY.

STORM SURGE...A STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 3 TO 5 FEET ABOVE GROUND LEVEL ALONG THE LOUISIANA COAST...AND BY AS MUCH AS 2 TO 4 FEET ABOVE GROUND LEVEL ALONG THE MISSISSIPPI AND ALABAMA COASTS INCLUDING MOBILE BAY. SEE PRODUCTS ISSUED BY LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICES FOR MORE DETAILS.

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED TO SPREAD OVER THE PORTIONS OF THE WARNING AREA TONIGHT AND SATURDAY.

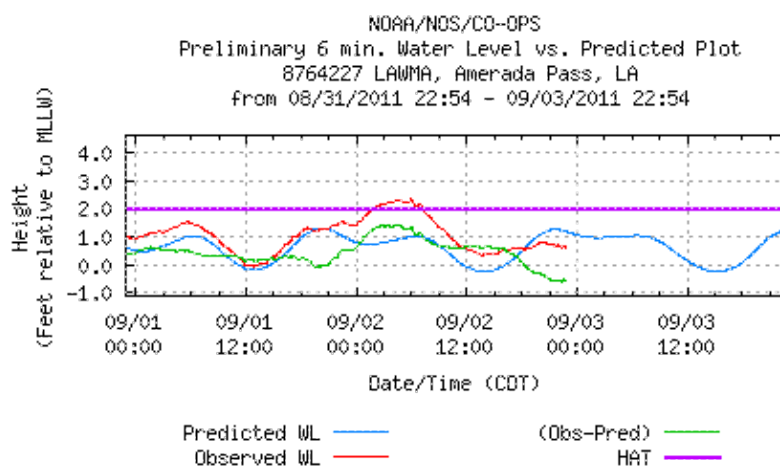
TORNADOES...ISOLATED TORNADOES ARE POSSIBLE TONIGHT OVER PORTIONS OF SOUTHERN LOUISIANA...AND EXTREME SOUTHERN PORTIONS OF MISSISSIPPI AND ALABAMA.

FORECASTER BROWN

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [LAWMA, Amerada Pass - Water Level](#), [LAWMA, Amerada Pass - Winds](#), [LAWMA, Amerada Pass - Barometric](#), [LAWMA, Amerada Pass - Air/Water Temp](#), [Grand Isle - Water Level](#), [Pilots Station East, SW Pass - Water Level](#), [Pilots Station East, SW Pass - Winds](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Shell Beach - Barometric](#), [East Bank 1, Norco, B. LaBranche - Water Level](#), [East Bank 1, Norco, B. LaBranche - Winds](#), [East Bank 1, Norco, B. LaBranche - Barometric](#), [New Canal Station - Water Level](#), [New Canal Station - Winds](#), [New Canal Station - Barometric](#), [Pascagoula NOAA Lab - Water Level](#), [Dock C, Port of Pascagoula - Winds](#), [Dock C, Port of Pascagoula - Barometric](#), [Freshwater Canal Locks - Water Level](#), [Freshwater Canal Locks - Winds](#), [Lake Charles - Water Level](#), [Calcasieu Pass - Water Level](#), [Calcasieu Pass - Winds](#), [Calcasieu Pass - Barometric](#), [Sabine Pass North - Water Level](#), [Sabine Pass North - Winds](#), [Sabine Pass North - Barometric](#),

LAWMA, Amerada Pass, LA - Return to List

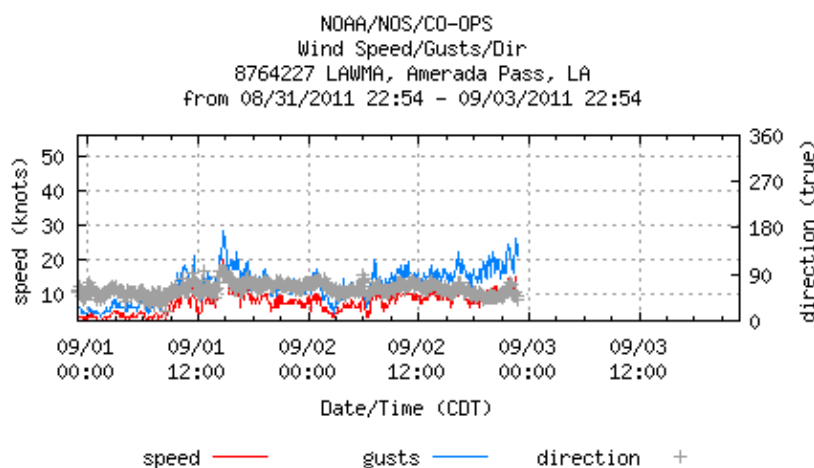


Last Observed Sample: 09/02/2011 22:48 (CDT)

Relative to MLLW: **Observed: 0.62 ft.** **Predicted: 1.19 ft.** **Residual: -0.57 ft.**

Historical Maximum Water Level: Sep 12 2008, 5.92 ft. above MHHW

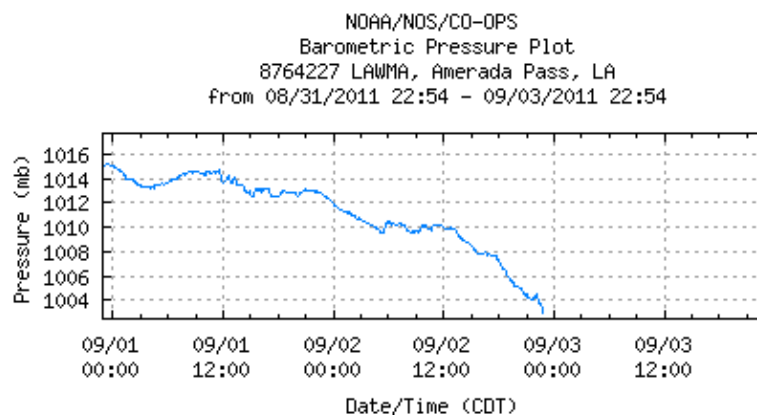
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 09/02/2011 22:48 (CDT)

Wind Speed: 11 knots **Gusts: 21 knots** **Direction: 41° T**

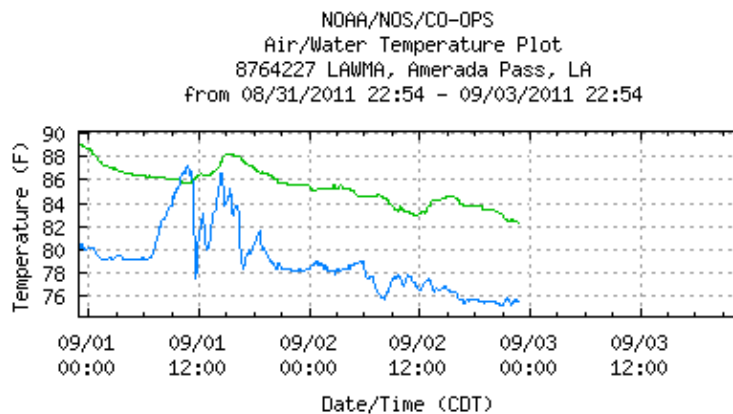
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 09/02/2011 22:48 (CDT)

Barometric Pressure: 1003.0 mb

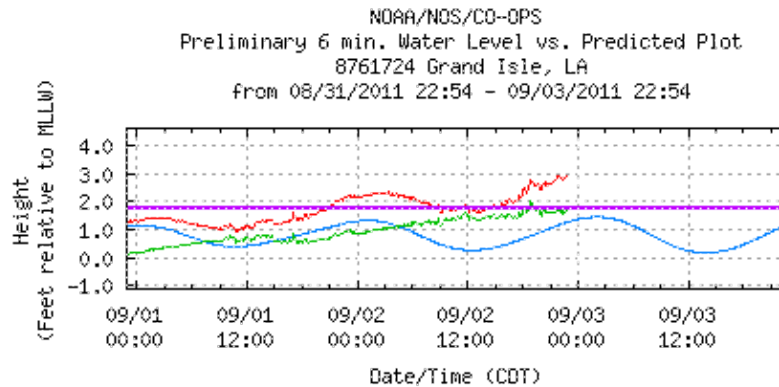
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 09/02/2011 22:48 (CDT)

Water Temperature: 82.2° F Air Temperature: 75.6° F

Grand Isle, LA - Return to List

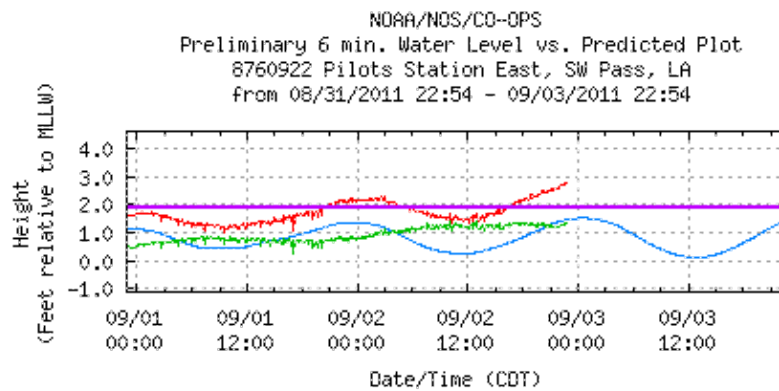


Last Observed Sample: 09/02/2011 22:42 (CDT)

Relative to MLLW: **Observed: 2.90 ft.** **Predicted: 1.25 ft.** **Residual: 1.65 ft.**

Historical Maximum Water Level: Aug 29 2005, 4.54 ft. above MHHW

Pilots Station East, SW Pass, LA - Return to List

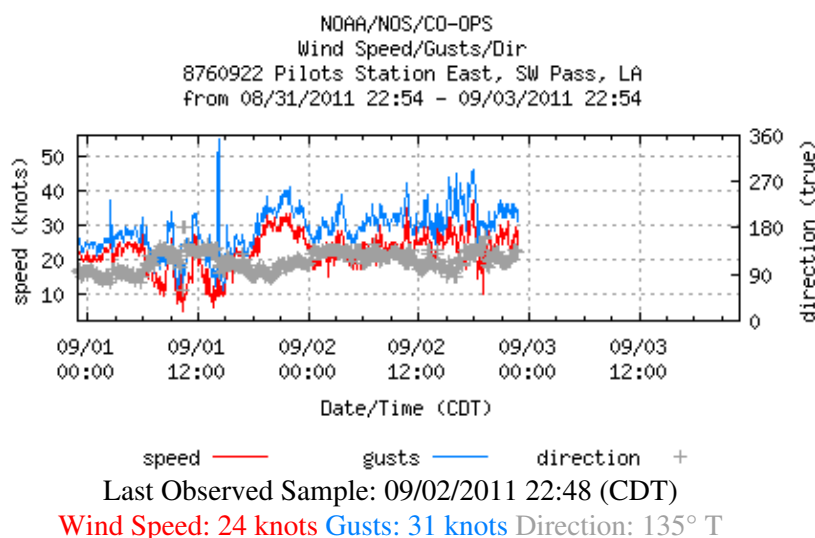


Last Observed Sample: 09/02/2011 22:48 (CDT)

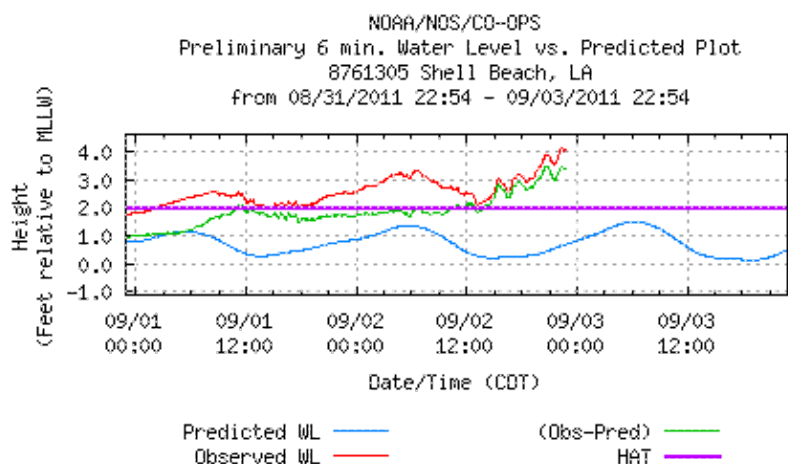
Relative to MLLW: **Observed: 2.80 ft.** **Predicted: 1.47 ft.** **Residual: 1.33 ft.**

Historical Maximum Water Level: Aug 29 2005, 6.22 ft. above MHHW

Pilots Station East, SW Pass, LA - Return to List

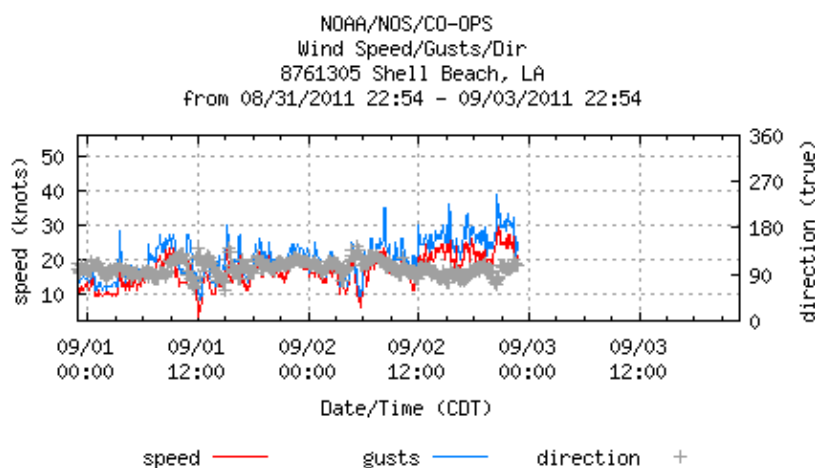


Shell Beach, LA - Return to List



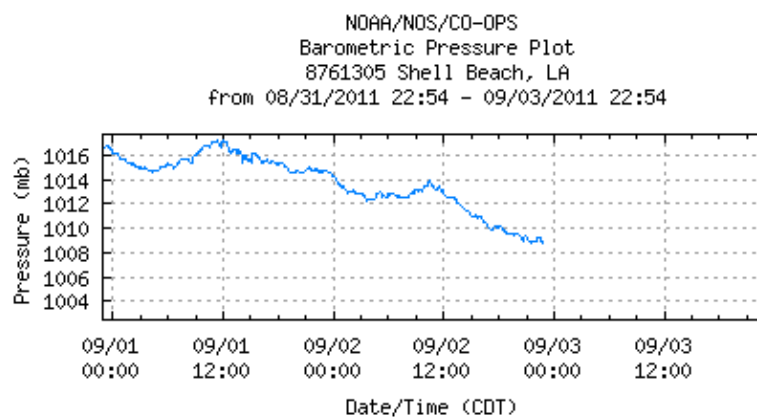
Last Observed Sample: 09/02/2011 22:48 (CDT)
Relative to MLLW: Observed: 4.06 ft. Predicted: 0.69 ft. Residual: 3.37 ft.
Historical Maximum Water Level: Sep 1 2008, 8.84 ft. above MHHW

Shell Beach, LA - Return to List



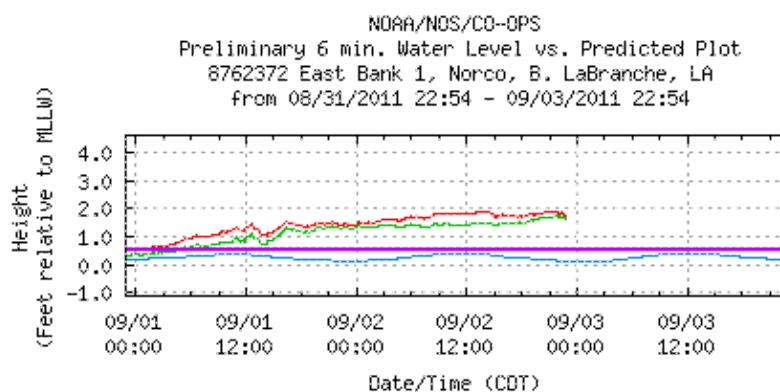
Last Observed Sample: 09/02/2011 22:48 (CDT)
Wind Speed: 21 knots Gusts: 25 knots Direction: 107° T

Shell Beach, LA - Return to List



Last Observed Sample: 09/02/2011 22:48 (CDT)
Barometric Pressure: 1008.8 mb

East Bank 1, Norco, B. LaBranche, LA - Return to List



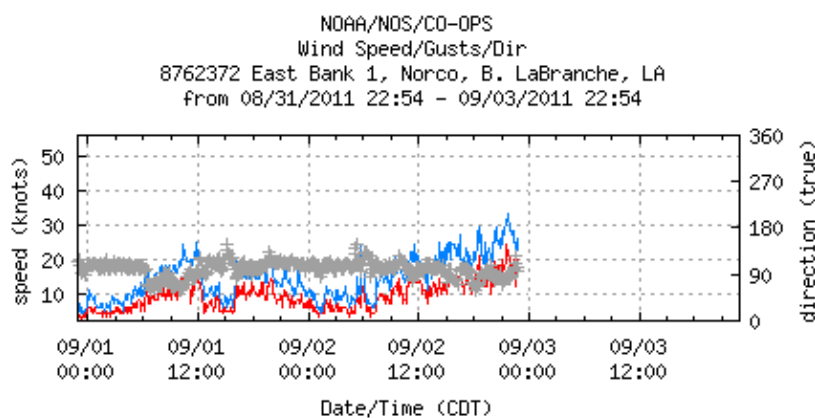
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/02/2011 22:48 (CDT)

Relative to MLLW: **Observed: 1.75 ft.** **Predicted: 0.11 ft.** **Residual: 1.64 ft.**

Historical Maximum Water Level: Aug 30 2005, 5.3 ft. above MHHW

East Bank 1, Norco, B. LaBranche, LA - Return to List

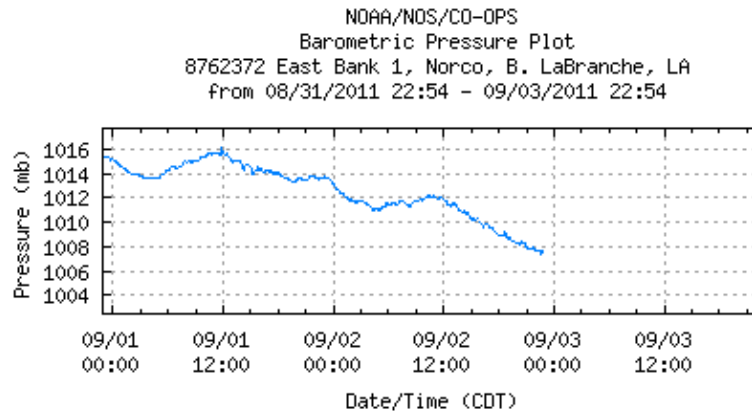


speed — gusts — direction +

Last Observed Sample: 09/02/2011 22:48 (CDT)

Wind Speed: 20 knots **Gusts: 26 knots** **Direction: 97° T**

East Bank 1, Norco, B. LaBranche, LA - Return to List

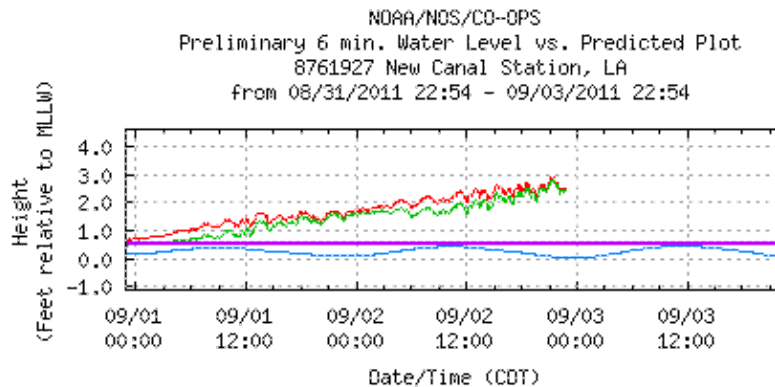


barometric pressure —

Last Observed Sample: 09/02/2011 22:48 (CDT)

Barometric Pressure: 1007.5 mb

New Canal Station, LA - Return to List



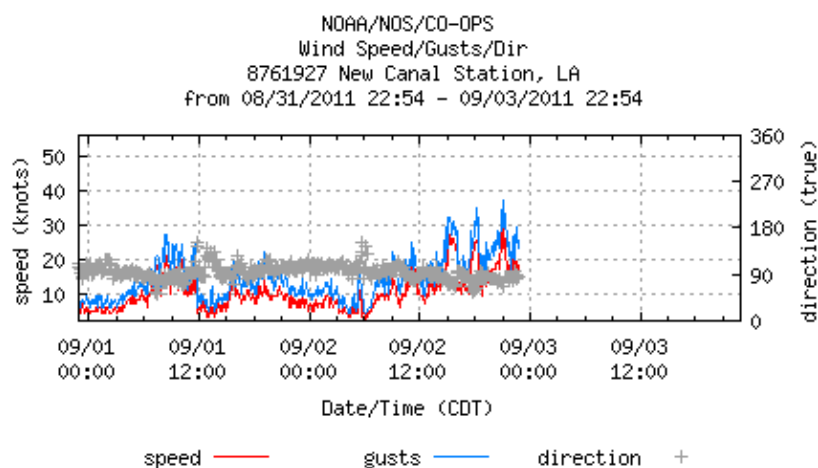
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/02/2011 22:42 (CDT)

Relative to MLLW: Observed: 2.47 ft. Predicted: 0.06 ft. Residual: 2.41 ft.

Historical Maximum Water Level: Sep 13 2008, 4.98 ft. above MHHW

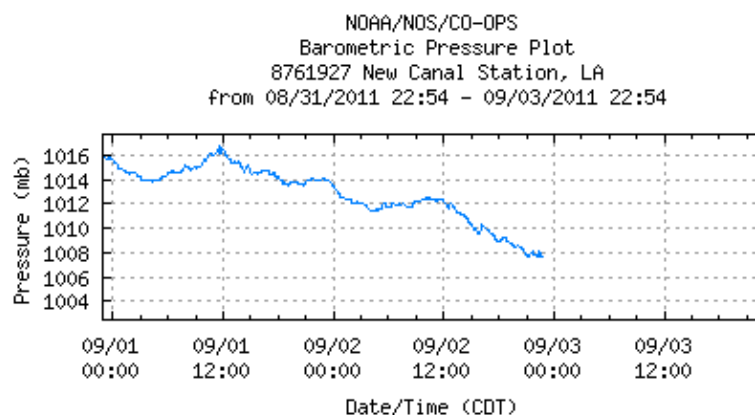
New Canal Station, LA - Return to List



Last Observed Sample: 09/02/2011 22:42 (CDT)

Wind Speed: 17 knots Gusts: 23 knots Direction: 85° T

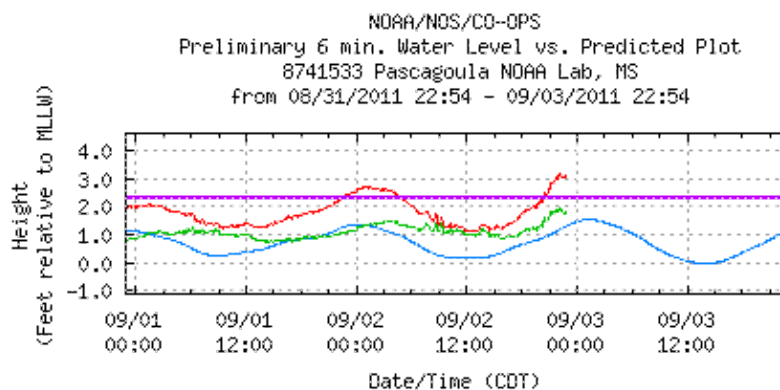
New Canal Station, LA - Return to List



Last Observed Sample: 09/02/2011 22:42 (CDT)

Barometric Pressure: 1007.7 mb

Pascagoula NOAA Lab, MS - Return to List

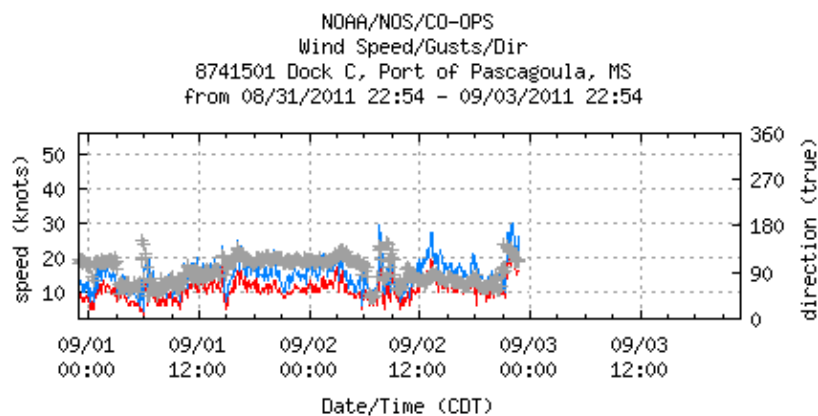


Last Observed Sample: 09/02/2011 22:48 (CDT)

Relative to MLLW: **Observed: 3.09 ft.** **Predicted: 1.30 ft.** **Residual: 1.79 ft.**

Historical Maximum Water Level: Sep 1 2008, 4.9 ft. above MHHW

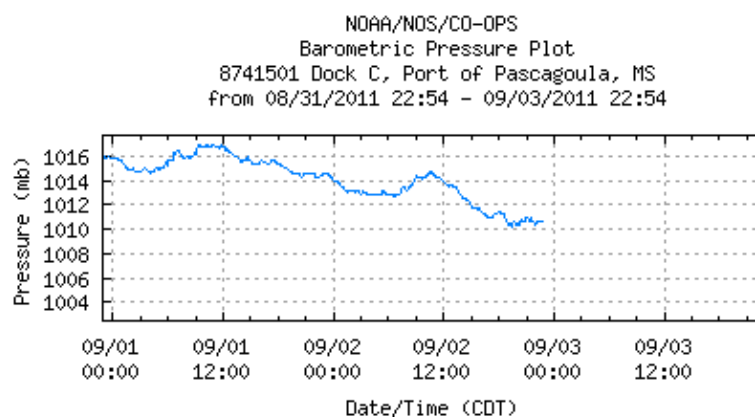
Dock C, Port of Pascagoula, MS - Return to List



Last Observed Sample: 09/02/2011 22:48 (CDT)

Wind Speed: 16 knots **Gusts: 26 knots** **Direction: 115° T**

Dock C, Port of Pascagoula, MS - Return to List

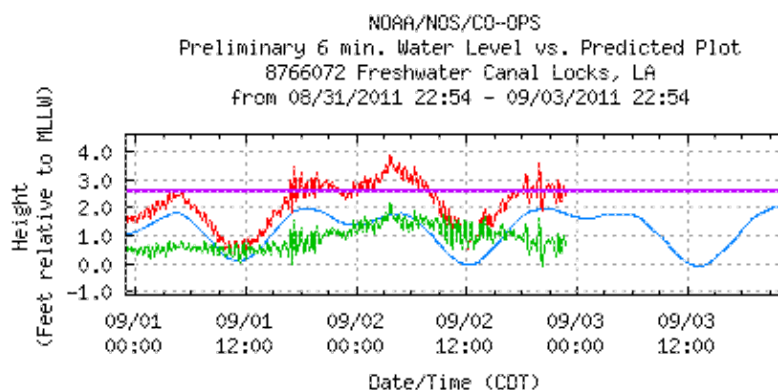


barometric pressure —

Last Observed Sample: 09/02/2011 22:48 (CDT)

Barometric Pressure: 1010.7 mb

Freshwater Canal Locks, LA - Return to List



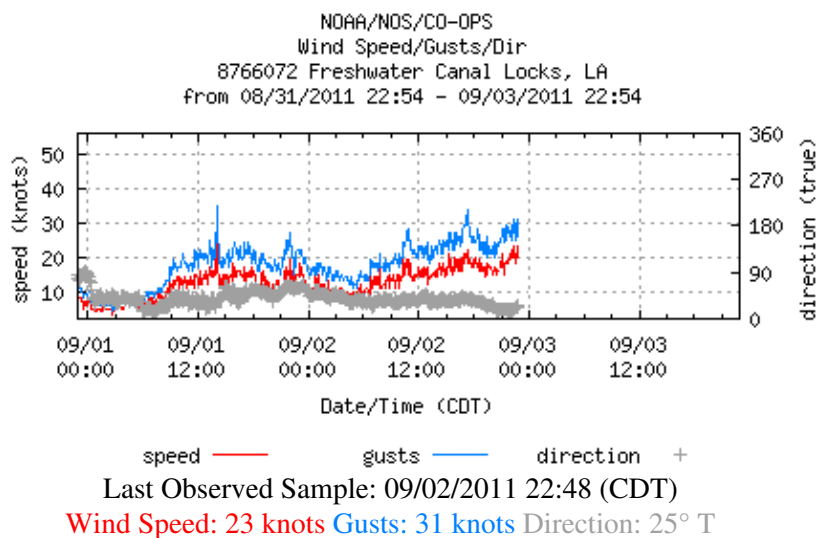
Predicted WL — (Obs-Pred) —
Observed WL — HAT —

Last Observed Sample: 09/02/2011 22:48 (CDT)

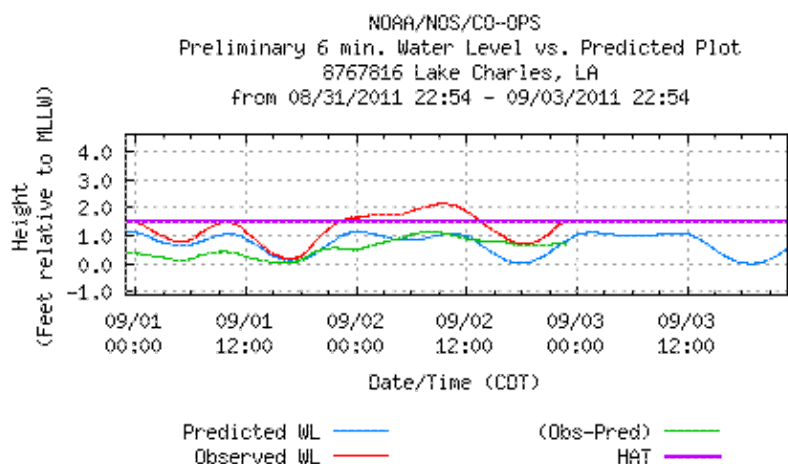
Relative to MLLW: Observed: 2.40 ft. Predicted: 1.77 ft. Residual: 0.63 ft.

Historical Maximum Water Level: Sep 12 2008, 7.98 ft. above MHHW

Freshwater Canal Locks, LA - Return to List

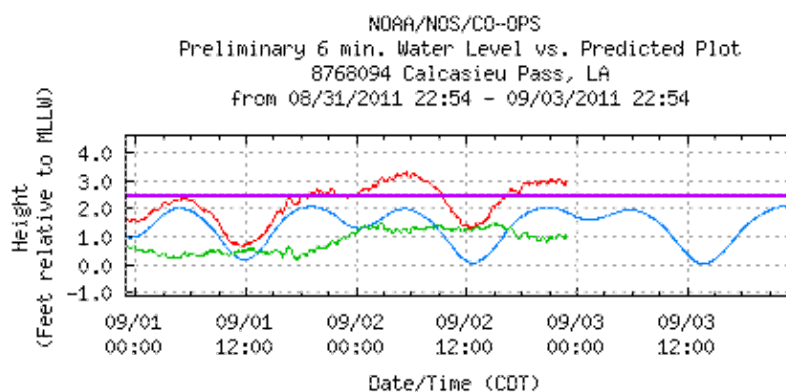


Lake Charles, LA - Return to List



Last Observed Sample: 09/02/2011 22:48 (CDT)
Relative to MLLW: Observed: 1.49 ft. Predicted: 0.81 ft. Residual: 0.68 ft.
Historical Maximum Water Level: Oct 16 2006, 2.22 ft. above MHHW

Calcasieu Pass, LA - Return to List

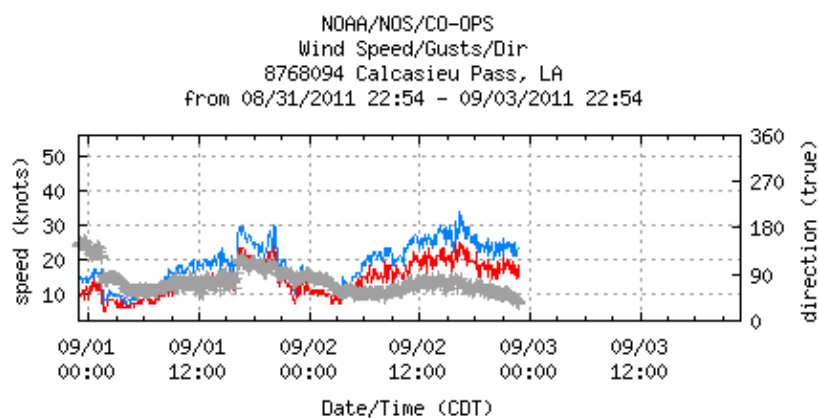


Last Observed Sample: 09/02/2011 22:48 (CDT)

Relative to MLLW: **Observed: 2.97 ft.** **Predicted: 1.88 ft.** **Residual: 1.09 ft.**

Historical Maximum Water Level: Sep 13 2008, 9.96 ft. above MHHW

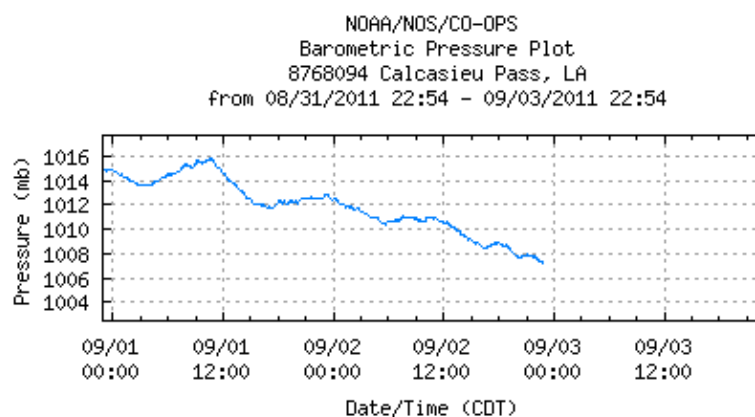
Calcasieu Pass, LA - Return to List



Last Observed Sample: 09/02/2011 22:48 (CDT)

Wind Speed: 15 knots **Gusts: 23 knots** **Direction: 38° T**

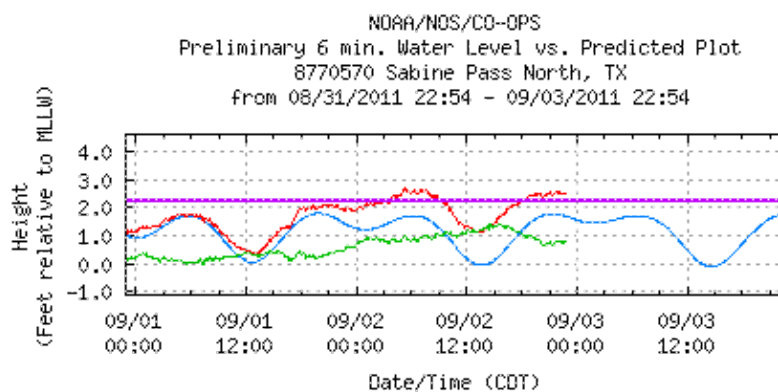
Calcasieu Pass, LA - Return to List



Last Observed Sample: 09/02/2011 22:48 (CDT)

Barometric Pressure: 1007.3 mb

Sabine Pass North, TX - Return to List

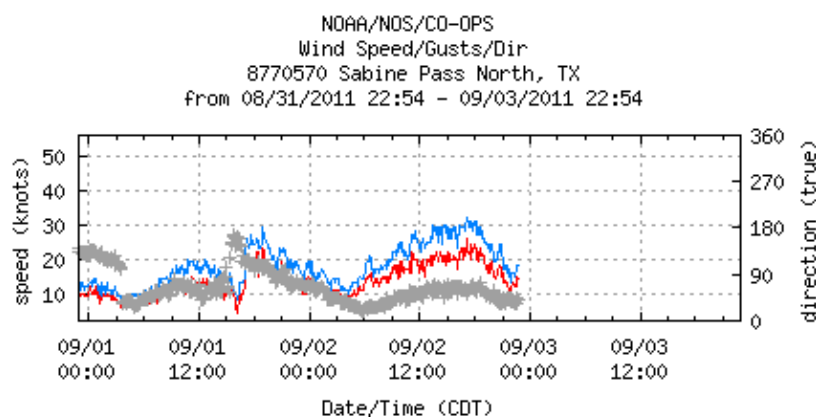


Last Observed Sample: 09/02/2011 22:42 (CDT)

Relative to MLLW: Observed: 2.50 ft. Predicted: 1.70 ft. Residual: 0.80 ft.

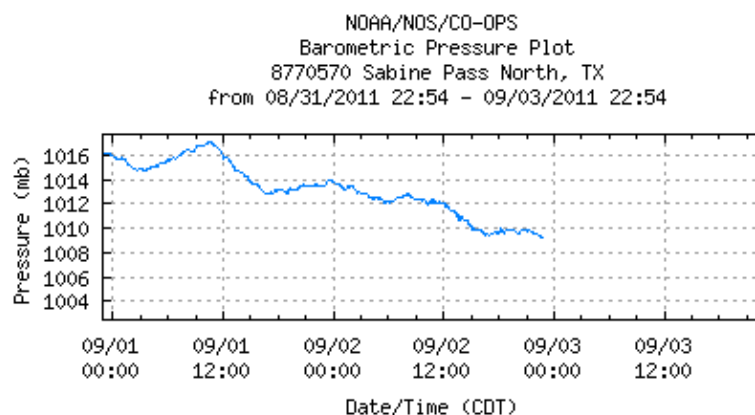
Historical Maximum Water Level: Sep 11 1998, 3.32 ft. above MHHW

Sabine Pass North, TX - Return to List



speed — gusts — direction +
Last Observed Sample: 09/02/2011 22:42 (CDT)
Wind Speed: 14 knots Gusts: 18 knots Direction: 42° T

Sabine Pass North, TX - Return to List



barometric pressure —
Last Observed Sample: 09/02/2011 22:42 (CDT)
Barometric Pressure: 1009.3 mb

Tropical Storm LEE QuickLook, POSTED 23:00 CDT 09/02/2011

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce